

Converting Colors

CIELCh(68, 76.413, 138.731)

Have a look what the booklet for
CIELCh(68, 76.413, 138.731)
contains.

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Color

CIELCh(68, 76.290, 138.760)

Conversions

Conversions Part 1

Format	Color
Hex	43BD43
RGB	67, 189, 67
RGB Percent	26%, 74%, 26%
CMY	0.7375, 0.2590, 0.7374
CMYK	0.65, 0.00, 0.65, 0.26
HSL	120°, 48%, 50%
HSV	120°, 65%, 74%
XYZ	21.5108, 37.9720, 11.4991
YIQ	138.6140, -33.5500, -63.8060

Conversions

Conversions Part 2

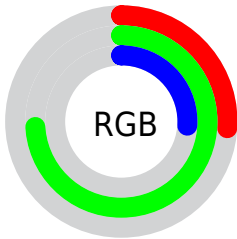
Format	Color
RYB	67, 189, 189
Decimal	4439363
CIELab	68.00, -57.37, 50.29
CIELCh	68, 76.290, 138.760
Yxy	37.9720, 0.3030, 0.5350
Android (android.graphics.Color)	4282629443 (0xFF43BD43)
YUV	138.6140, -35.3057, -62.8055
Hunter-Lab	61.6215, -45.5269, 32.0710

Details

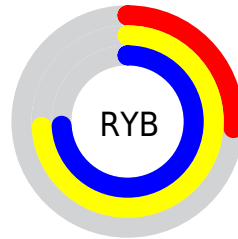
The CIELCh color **68, 76.290, 138.760** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **50, 75.269, 327.592**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 76.032, 138.744**, and **48, 73.631, 136.371** is the 20% darker color. If you saturate the color by 10%, you get **67, 84.587, 137.681**, and if you desaturate by 10%, it is **69, 66.315, 139.891**.

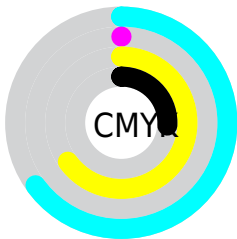
Distribution



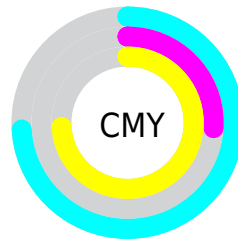
- Red (26%)
- Green (74%)
- Blue (26%)



- Red (26%)
- Yellow (74%)
- Blue (74%)



- Cyan (65%)
- Magenta (0%)
- Yellow (65%)
- Black (26%)





- Cyan (74%)
- Magenta (26%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 76.290, 138.760 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 68, 76.290, 138.760 by changing the saturation by 10% instead.


 68, 76.290,
138.760


 68, 76.290,
138.760


 100, 76.290,
138.760


 58, 76.290,
138.760


 88, 76.290,
138.760

 48, 76.290,
138.760

 98, 76.290,
138.760

 38, 76.290,
138.760

 28, 76.290,
138.760

 18, 76.290,
138.760

 8, 76.290, 138.760

 0, 76.290, 138.760

■ 68, 76.290,
138.760

■ 68, 76.290,
138.760

■ 67, 84.587,
137.681

■ 69, 66.315,
139.891

■ 67, 90.714,
136.791

■ 70, 55.143,
140.975

■ 67, 94.335,
136.224

■ 71, 43.188,
141.958

■ 67, 95.610,
136.017

■ 72, 30.792,
142.823

■ 74, 18.220,
143.571

■ 76, 5.676, 144.233

■ 78, 6.695, 324.687

■ 80, 18.791,
325.164

■ 82, 30.550,
325.552

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68, 76.290, 138.760



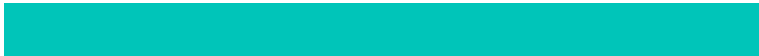
50, 75.269, 327.592

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 76.290, 138.760



68, 76.290, 188.760



68, 76.290, 318.760



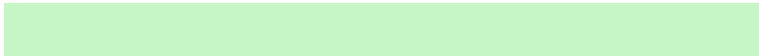
68, 76.290, 8.760

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



68, 76.290, 138.761



92, 29.366, 143.230



75, 61.189, 104.326



49, 20.212, 143.013



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68, 76.290, 138.761



85, 105.800, 137.325



69, 52.409, 156.211



39, 7.057, 143.921



57, 83.793, 136.017



9, 21.677, 144.394

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



50, 75.269, 327.592



61, 103.306, 327.968



47, 55.214, 351.459



37, 7.068, 324.932



37, 80.841, 328.238



3, 21.487, 325.465

Previews

White Background



This preview shows how the CIE LCh color 68, 76.290, 138.760 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 68, 76.290, 138.760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 76.290, 138.760

Background



This preview shows how black text looks on a background with the CIELCh color 68, 76.290, 138.760.

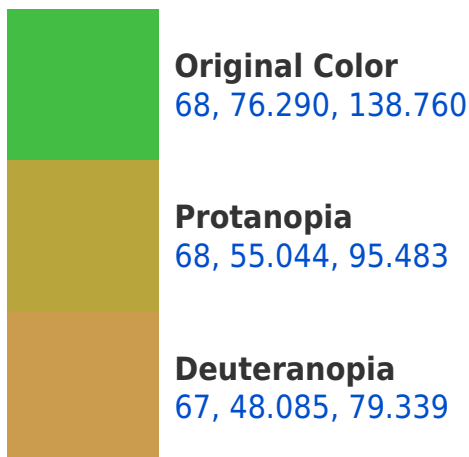


This preview shows how white text looks on a background with the CIELCh color 68, 76.290, 138.760.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
68, 25.191, 215.606

Trichromacy



Original Color
68, 76.290, 138.760



Protanomaly
67, 58.641, 118.408



Deuteranomaly
66, 50.188, 111.964



Tritanomaly
67, 37.553, 165.483

Monochromacy



Original Color
68, 76.290, 138.760



Achromatopsia
58, 0.007, 296.813



Achromatomaly
61, 30.189, 142.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 76.290, 138.760 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(67, 189, 67)` looks like.

```
.text, #text, p{  
    color:rgb(67, 189, 67)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(67, 189, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 189, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 76.290, 138.760 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(67, 189, 67) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(67, 189, 67) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(67, 189, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 189, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 189, 67);  
box-shadow:4px 4px 4px 4px rgb(67, 189,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 76.290, 138.760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 189, 67) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(67, 189,  
67) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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